

## ABSTRACT

The specification discloses a method of maintaining a historical database of information. The method describes up to eleven segments, each segment corresponding possibly to a different data logging rate in the historical database. Points, whether measured or calculated parameters, are grouped into segments based on which points may have their data logged at the same frequency. The points, in turn, contain pointers to logs, with entries in the log data corresponding to a time-stamp or tag of the segment to which the log belongs. Thus, points (and their corresponding logs) in different segments may be logged at different rates. The specification also discloses a method for dynamically resizing the historical database, which, in the case of increasing the number of entries, results in no loss of historical information.